

Title (en)
ASSAYING METHOD FOR PRIMARY AMINES USING AROMATIC DIALDEHYDES

Publication
EP 0199432 A3 19870701 (EN)

Application
EP 86301267 A 19860221

Priority
US 70767685 A 19850304

Abstract (en)
[origin: EP0199432A2] A method for the fluorometric or electrochemical assaying of low levels of primary amines and more particularly, biogenic and endogenous amines such as catechol amines, amino acids, and peptides, by reacting a substituted or unsubstituted naphthalene-2-3-dicarboxyaldehyde with the non-fluorescing primary amine of interest in the presence of a cyanide ion under mildly alkaline conditions thereby to form an entity which is amenable to both fluorescent and electrochemical detection.

IPC 1-7
G01N 33/68; G01N 31/22; G01N 30/20; C07D 209/62; C07D 491/056; C07D 487/04; C07K 5/06

IPC 8 full level
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CPC (source: EP)
G01N 33/52 (2013.01); **G01N 33/6809** (2013.01)

Citation (search report)
• DE 2102985 A1 19710902 - ROTH M
• EP 0138092 A2 19850424 - SHIMADZU CORP [JP]
• FR 2534029 A1 19840406 - MOLLA ABERRA [US]
• [X] CHEMICAL ABSTRACTS, vol. 101, no. 3, July 16, 1984, Columbus, Ohio, USA MIURA et al. "A fluorometric method for the specific determination of serum arginine with 2,3-naphtalenedicarbaldehyde" page 313, columns 1,2, abstract no. 20 064f

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